

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112923\
 Data File : BF136291.D
 Acq On : 29 Nov 2023 19:15
 Operator : CG\JU
 Sample : 05503-04
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11998

Quant Time: Nov 29 23:48:34 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 28 03:04:20 2023
 Response via : Initial Calibration

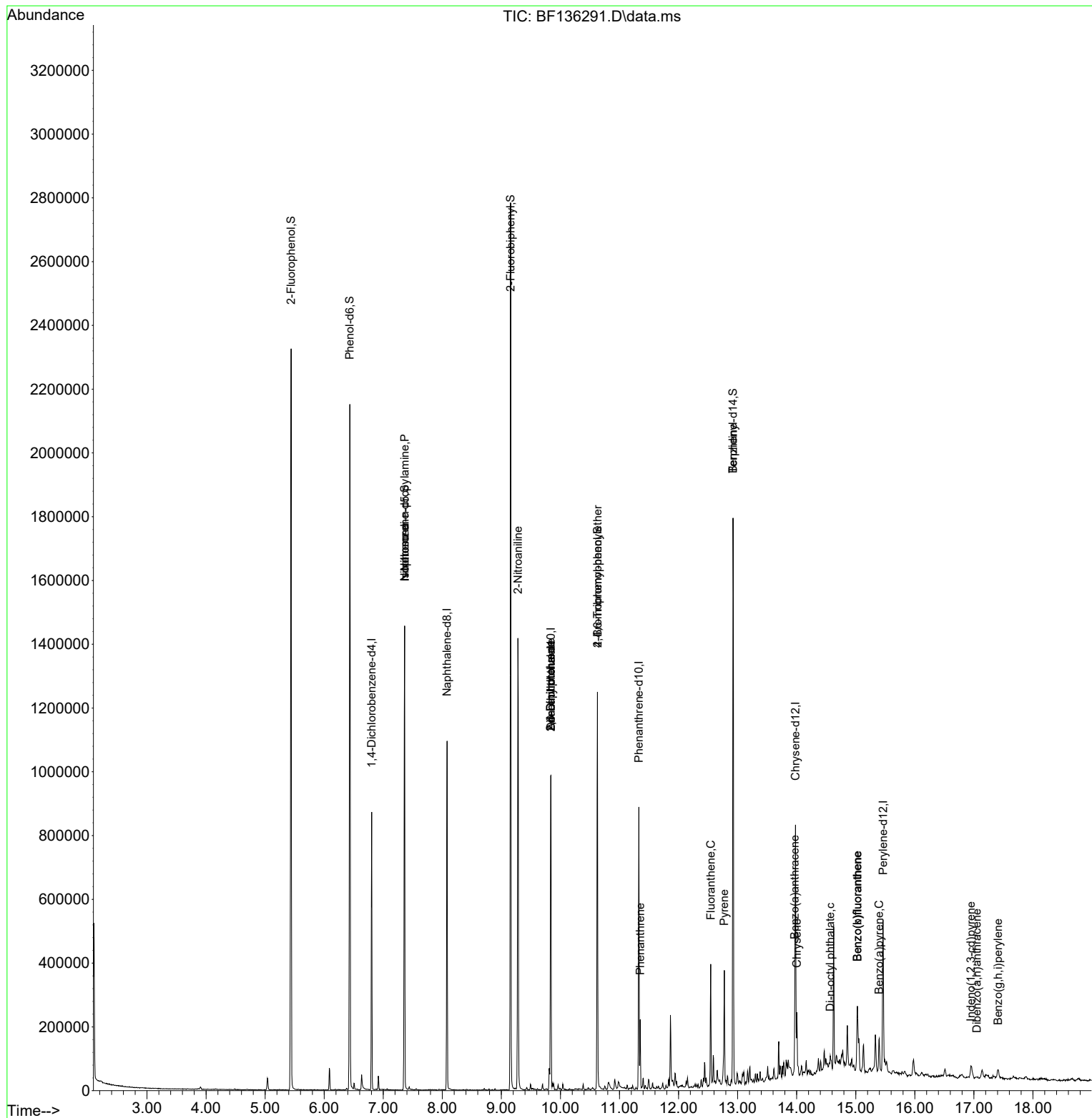
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.804	152	112172	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	455679	20.000	ng	0.00
39) Acenaphthene-d10	9.839	164	205637	20.000	ng	0.00
64) Phenanthrene-d10	11.327	188	294272	20.000	ng	0.00
76) Chrysene-d12	13.980	240	219236	20.000	ng	-0.01
86) Perylene-d12	15.462	264	226353	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.439	112	596139	73.970	ng	0.00
7) Phenol-d6	6.434	99	733504	72.790	ng	-0.01
23) Nitrobenzene-d5	7.363	82	441452	51.193	ng	-0.01
42) 2,4,6-Tribromophenol	10.627	330	146566	58.298	ng	-0.01
45) 2-Fluorobiphenyl	9.157	172	752228	46.724	ng	-0.01
79) Terphenyl-d14	12.921	244	619341	32.586	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.363	70	57031	9.463	ng	# 74
25) Isophorone	7.363	82	441442	28.391	ng	# 68
48) 2-Nitroaniline	9.280	65	14332	3.898	ng	# 16
50) Dimethylphthalate	9.839	163	43433	2.794	ng	# 1
51) 2,6-Dinitrotoluene	9.833	165	25679	8.087	ng	# 24
57) 2,4-Dinitrotoluene	9.833	165	25679	6.054	ng	# 28
67) 4-Bromophenyl-phenylether	10.627	248	8867	2.583	ng	# 1
71) Phenanthrene	11.351	178	69918	4.227	ng	99
75) Fluoranthene	12.545	202	142376	8.480	ng	95
77) Benzidine	12.921	184	7318	2.031	ng	# 88
78) Pyrene	12.774	202	135196	5.631	ng	96
81) Benzo(a)anthracene	13.968	228	71291	4.378	ng	95
83) Chrysene	14.004	228	76672	4.876	ng	95
85) Di-n-octyl phthalate	14.568	149	13997	6.020	ng	# 50
87) Indeno(1,2,3-cd)pyrene	16.951	276	27802	4.231	ng	# 92
88) Benzo(b)fluoranthene	15.027	252	151239	9.524	ng	# 95
89) Benzo(k)fluoranthene	15.027	252	151239	10.027	ng	# 94
90) Benzo(a)pyrene	15.398	252	53349	4.109	ng	# 94
91) Dibenzo(a,h)anthracene	17.051	278	2936	2.917	ng	98
92) Benzo(g,h,i)perylene	17.409	276	25317	3.685	ng	98

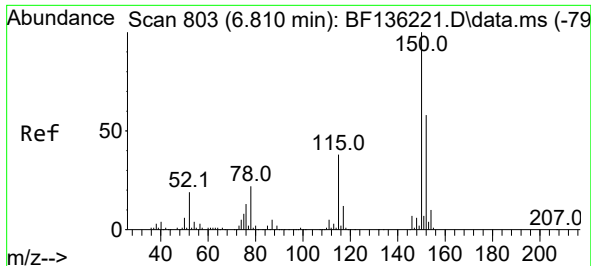
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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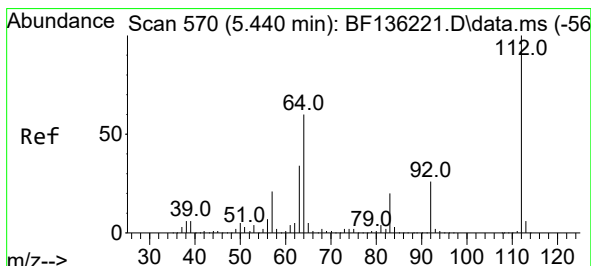
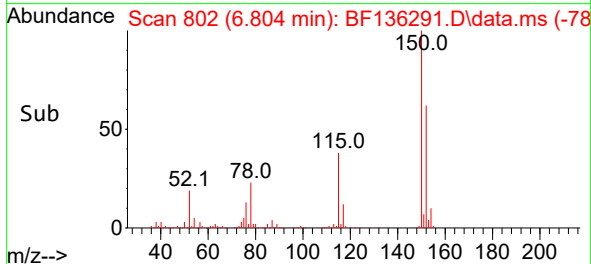
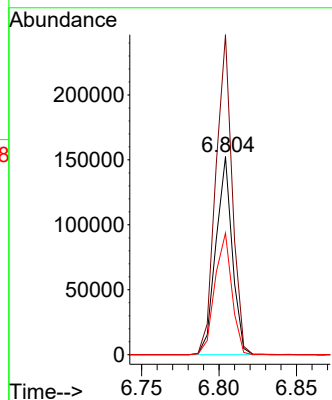
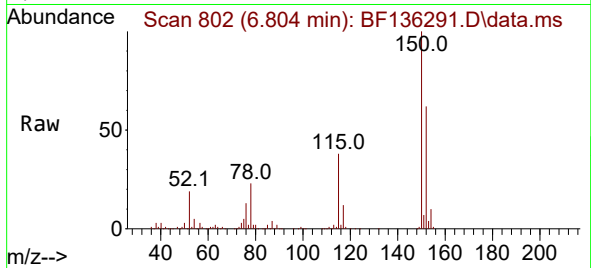




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.804 min Scan# 803
Delta R.T. -0.006 min
Lab File: BF136291.D
Acq: 29 Nov 2023 19:15

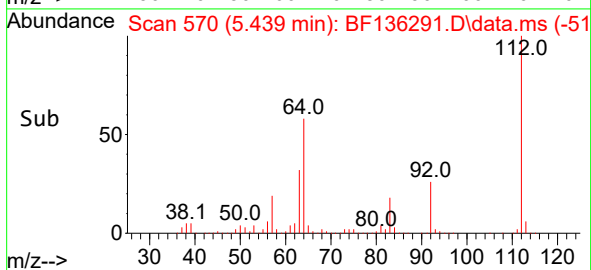
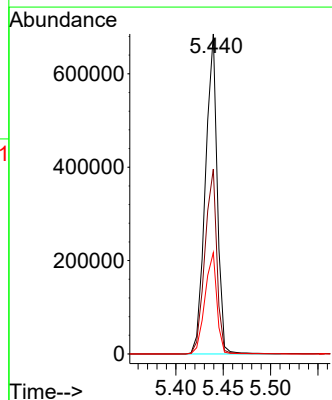
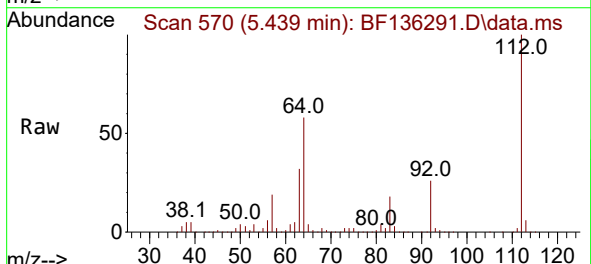
Instrument :
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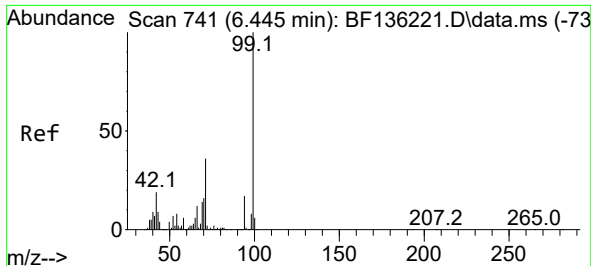
Tgt Ion:152 Resp: 112172
Ion Ratio Lower Upper
152 100
150 161.6 137.8 206.8
115 61.4 52.7 79.1



#5
2-Fluorophenol
Concen: 73.970 ng
RT: 5.439 min Scan# 570
Delta R.T. -0.000 min
Lab File: BF136291.D
Acq: 29 Nov 2023 19:15

Tgt Ion:112 Resp: 596139
Ion Ratio Lower Upper
112 100
64 57.8 48.2 72.4
63 31.7 27.0 40.6

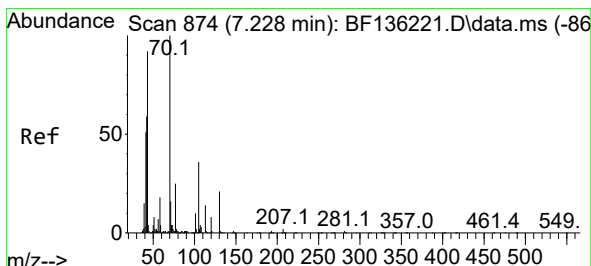
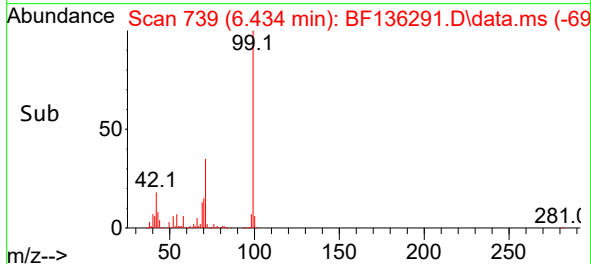
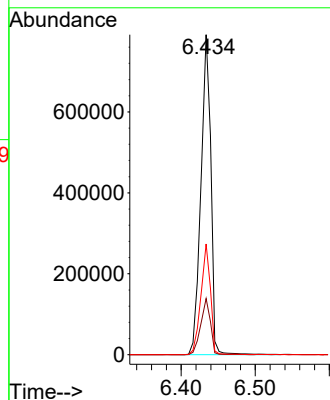
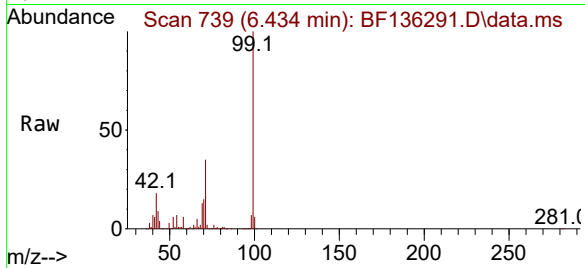




#7
Phenol-d6
Concen: 72.790 ng
RT: 6.434 min Scan# 719
Delta R.T. -0.012 min
Lab File: BF136291.D
Acq: 29 Nov 2023 19:15

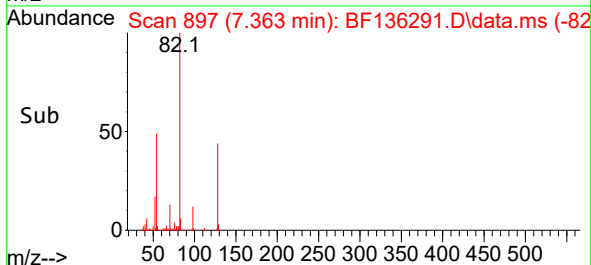
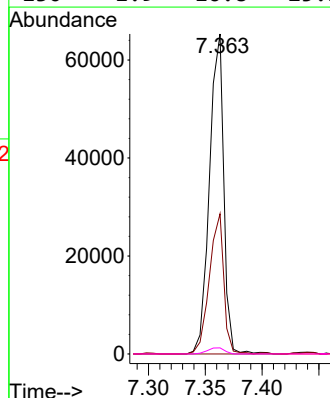
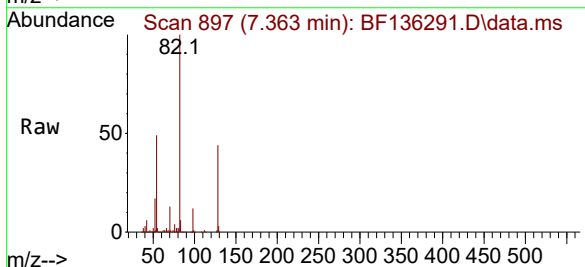
Instrument :
BNA_F
ClientSampleId :
72-11998

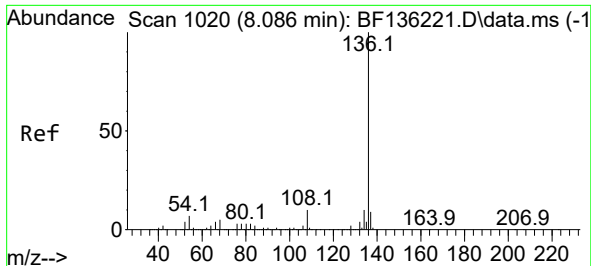
Tgt Ion: 99 Resp: 733504
Ion Ratio Lower Upper
99 100
42 17.5 15.0 22.6
71 34.6 28.9 43.3



#19
n-Nitroso-di-n-propylamine
Concen: 9.463 ng
RT: 7.363 min Scan# 897
Delta R.T. 0.135 min
Lab File: BF136291.D
Acq: 29 Nov 2023 19:15

Tgt Ion: 70 Resp: 57031
Ion Ratio Lower Upper
70 100
42 43.8 47.0 70.4#
101 0.0 7.8 11.8#
130 1.9 16.8 25.2#

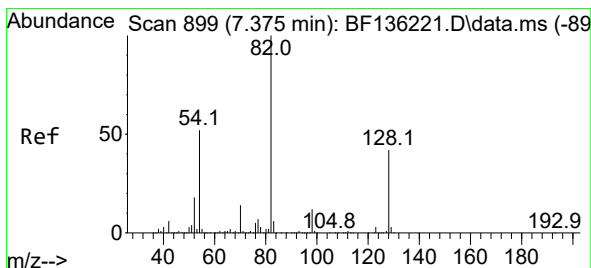
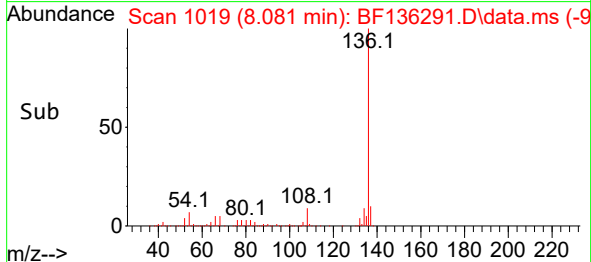
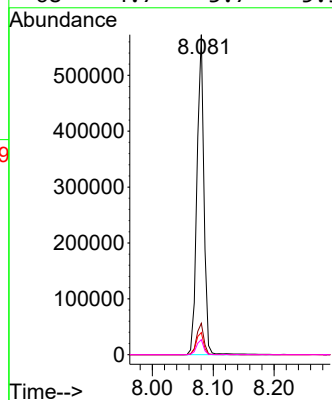
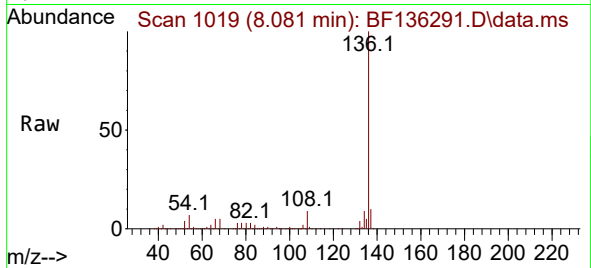




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF136291.D
Acq: 29 Nov 2023 19:15

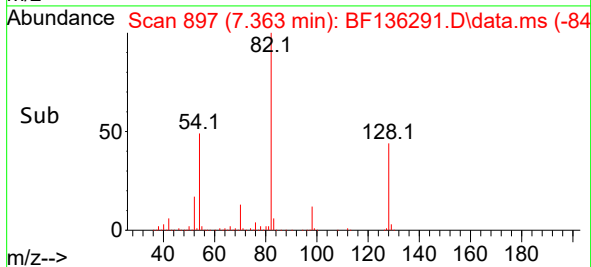
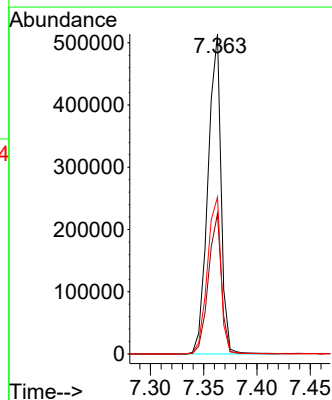
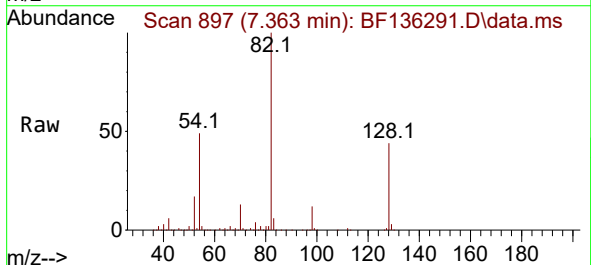
Instrument :
BNA_F
ClientSampleId :
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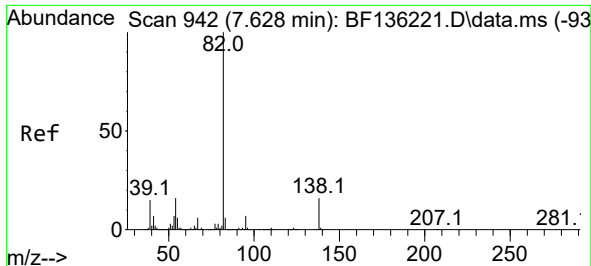
Tgt Ion:136 Resp: 455679
Ion Ratio Lower Upper
136 100
137 9.8 7.4 11.2
54 6.9 5.5 8.3
68 4.7 3.7 5.5



#23
Nitrobenzene-d5
Concen: 51.193 ng
RT: 7.363 min Scan# 897
Delta R.T. -0.012 min
Lab File: BF136291.D
Acq: 29 Nov 2023 19:15

Tgt Ion: 82 Resp: 441452
Ion Ratio Lower Upper
82 100
128 43.9 33.4 50.2
54 49.0 41.7 62.5

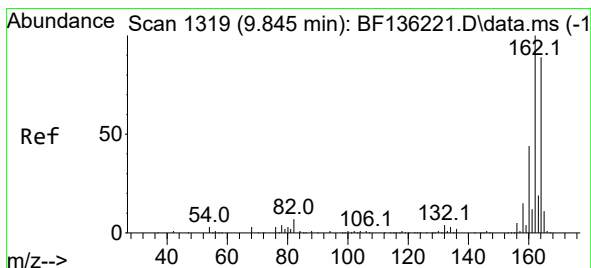
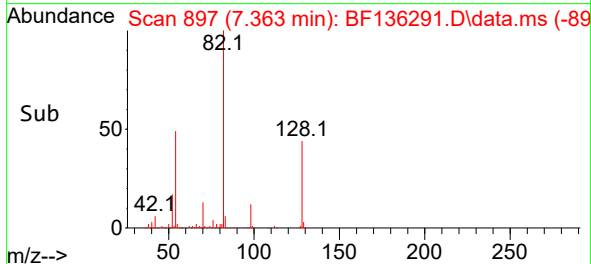
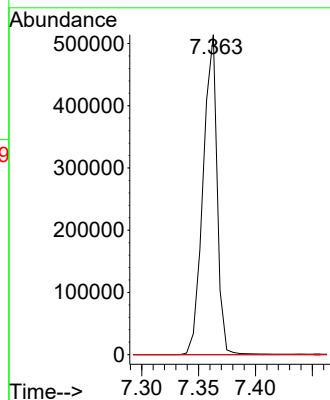
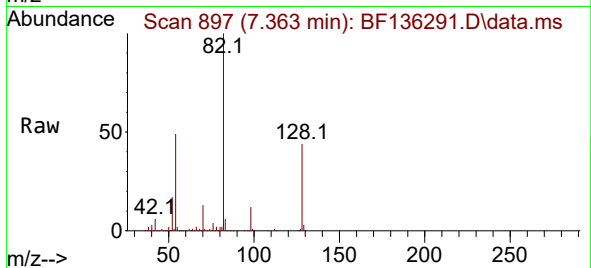




#25
Isophorone
Concen: 28.391 ng
RT: 7.363 min Scan# 89
Delta R.T. -0.265 min
Lab File: BF136291.D
Acq: 29 Nov 2023 19:15

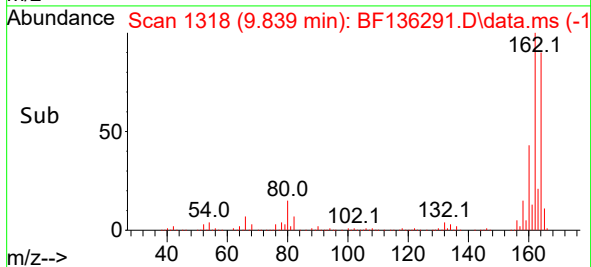
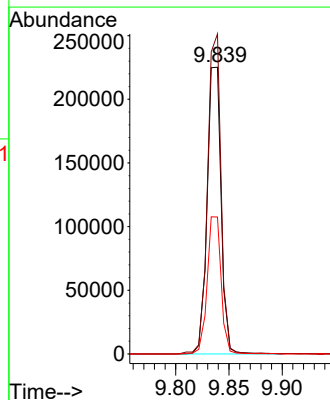
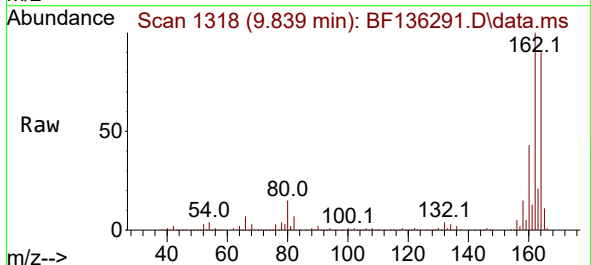
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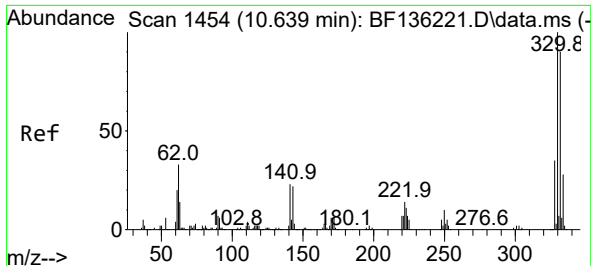
Tgt Ion: 82 Resp: 441442
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 12.8 19.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.839 min Scan# 1318
Delta R.T. -0.006 min
Lab File: BF136291.D
Acq: 29 Nov 2023 19:15

Tgt Ion: 164 Resp: 205637
Ion Ratio Lower Upper
164 100
162 111.6 89.5 134.3
160 47.8 39.6 59.4





#42

2,4,6-Tribromophenol

Concen: 58.298 ng

RT: 10.627 min Scan# 1454

Delta R.T. -0.012 min

Lab File: BF136291.D

Acq: 29 Nov 2023 19:15

Instrument :

BNA_F

ClientSampleId :

72-11998

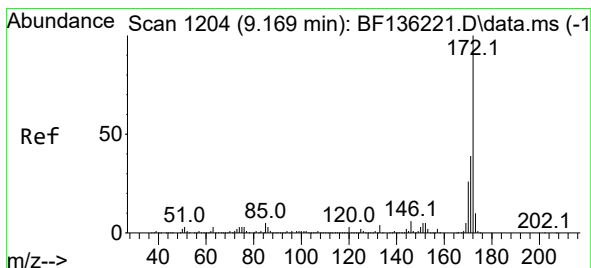
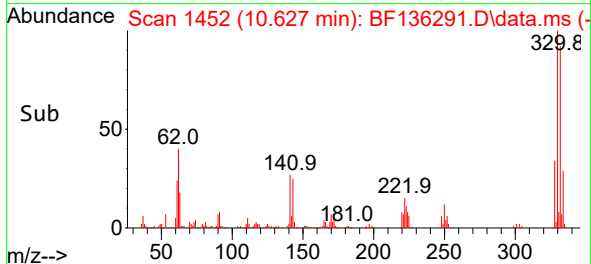
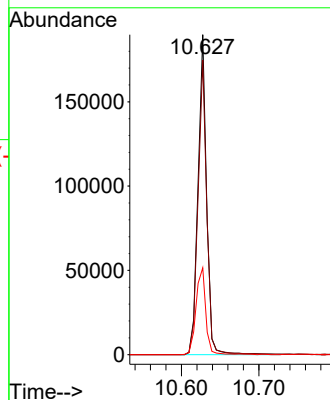
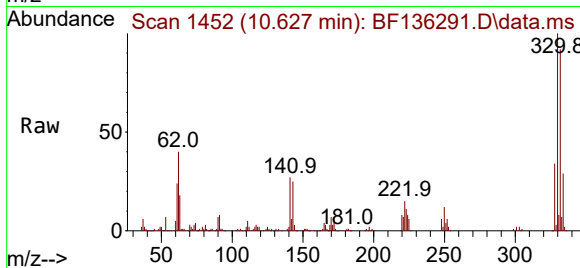
Tgt Ion:330 Resp: 146566

Ion Ratio Lower Upper

330 100

332 94.0 73.0 109.6

141 30.9 24.2 36.2



#45

2-Fluorobiphenyl

Concen: 46.724 ng

RT: 9.157 min Scan# 1202

Delta R.T. -0.012 min

Lab File: BF136291.D

Acq: 29 Nov 2023 19:15

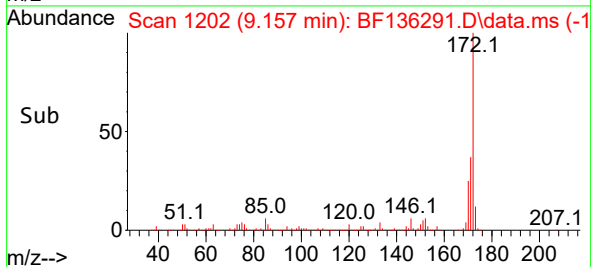
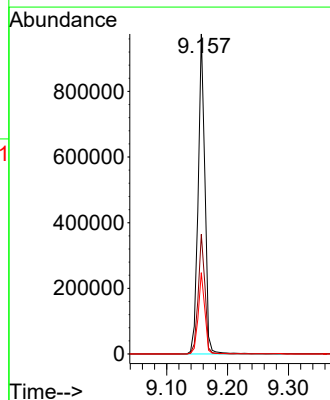
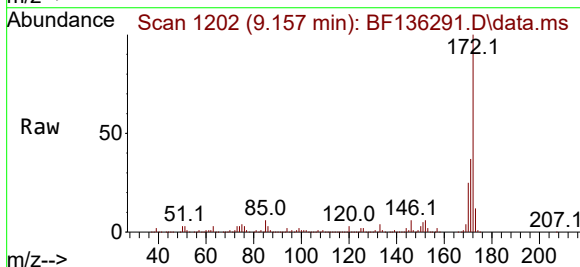
Tgt Ion:172 Resp: 752228

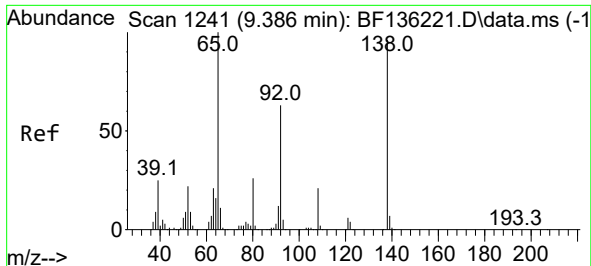
Ion Ratio Lower Upper

172 100

171 37.4 31.5 47.3

170 25.4 20.8 31.2

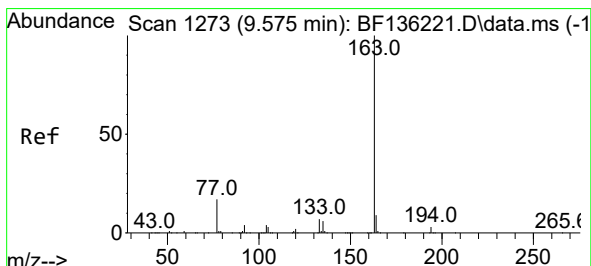
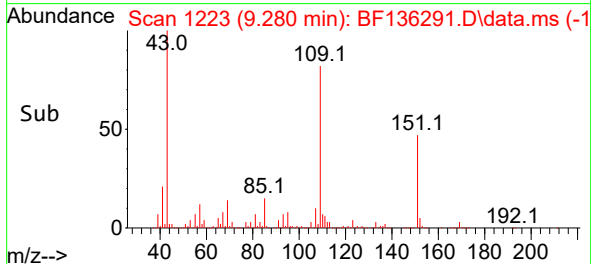
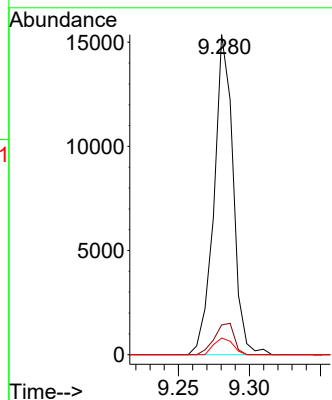
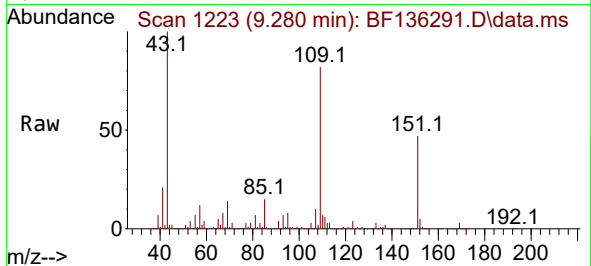




#48
2-Nitroaniline
Concen: 3.898 ng
RT: 9.280 min Scan# 11
Delta R.T. -0.106 min
Lab File: BF136291.D
Acq: 29 Nov 2023 19:15

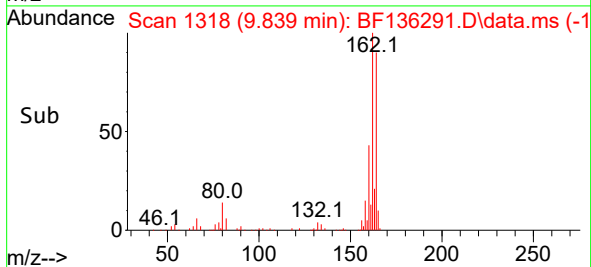
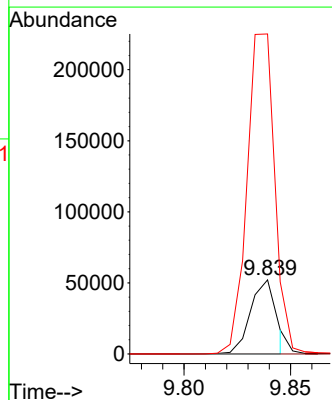
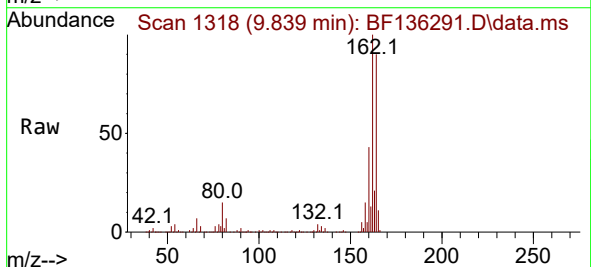
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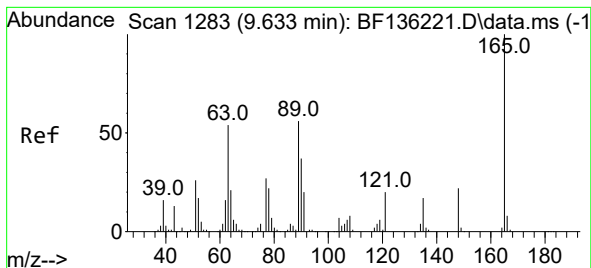
Tgt Ion: 65 Resp: 14332
Ion Ratio Lower Upper
65 100
92 9.3 50.6 75.8#
138 5.2 76.7 115.1#



#50
Dimethylphthalate
Concen: 2.794 ng
RT: 9.839 min Scan# 1318
Delta R.T. 0.265 min
Lab File: BF136291.D
Acq: 29 Nov 2023 19:15

Tgt Ion: 163 Resp: 43433
Ion Ratio Lower Upper
163 100
194 0.0 2.5 3.7#
164 432.0 7.0 10.6#

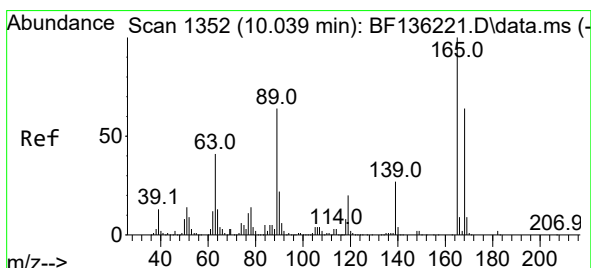
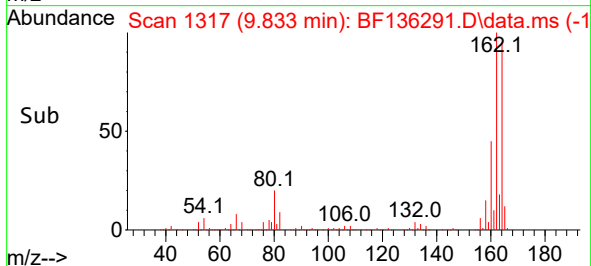
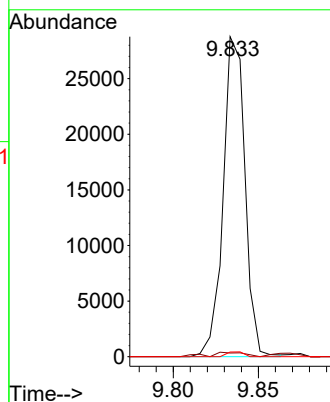
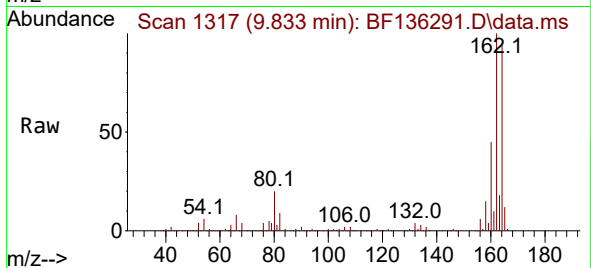




#51
2,6-Dinitrotoluene
Concen: 8.087 ng
RT: 9.833 min Scan# 1317
Delta R.T. 0.200 min
Lab File: BF136291.D
Acq: 29 Nov 2023 19:15

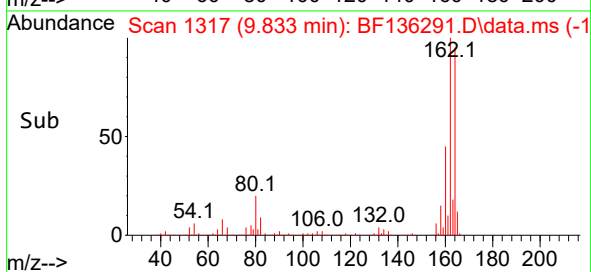
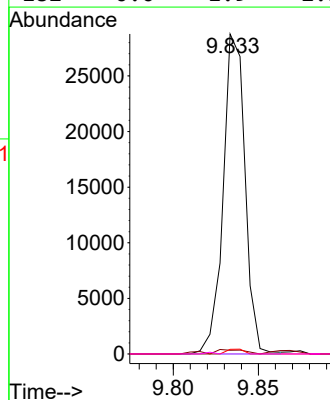
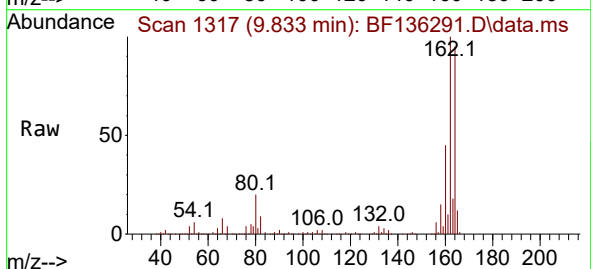
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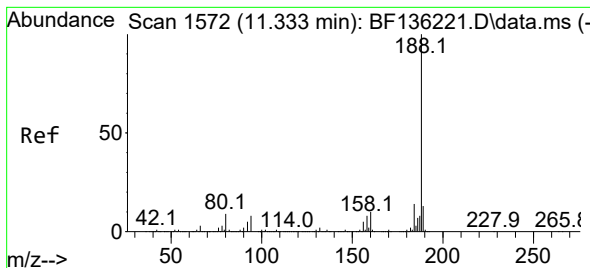
Tgt Ion:165 Resp: 25679
Ion Ratio Lower Upper
165 100
63 1.2 46.2 69.2#
89 1.4 44.9 67.3#



#57
2,4-Dinitrotoluene
Concen: 6.054 ng
RT: 9.833 min Scan# 1317
Delta R.T. -0.206 min
Lab File: BF136291.D
Acq: 29 Nov 2023 19:15

Tgt Ion:165 Resp: 25679
Ion Ratio Lower Upper
165 100
63 1.2 33.0 49.4#
89 1.4 51.5 77.3#
182 0.0 1.9 2.9#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.327 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF136291.D

Acq: 29 Nov 2023 19:15

Instrument :

BNA_F

ClientSampleId :

72-11998

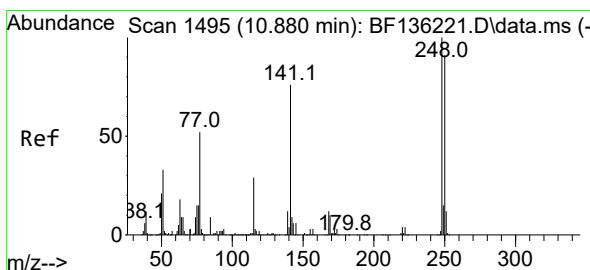
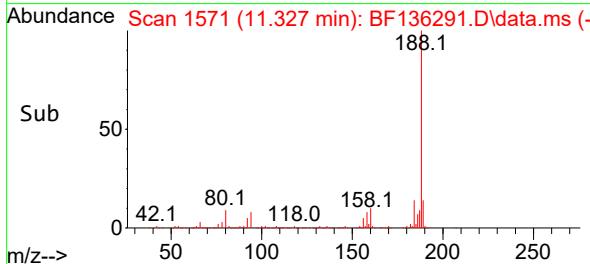
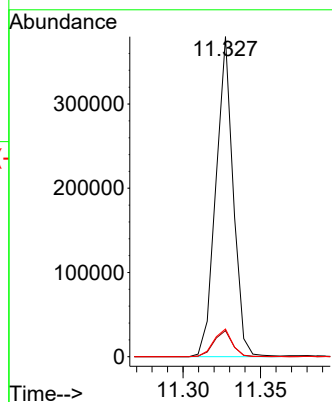
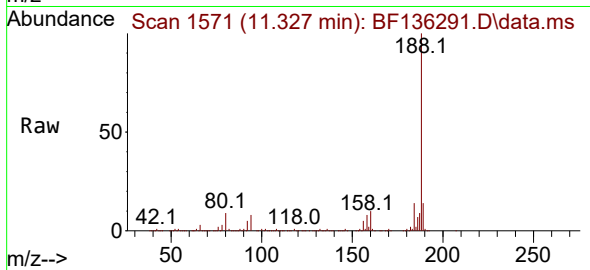
Tgt Ion:188 Resp: 294272

Ion Ratio Lower Upper

188 100

94 8.2 6.7 10.1

80 8.6 7.2 10.8



#67

4-Bromophenyl-phenylether

Concen: 2.583 ng

RT: 10.627 min Scan# 1452

Delta R.T. -0.253 min

Lab File: BF136291.D

Acq: 29 Nov 2023 19:15

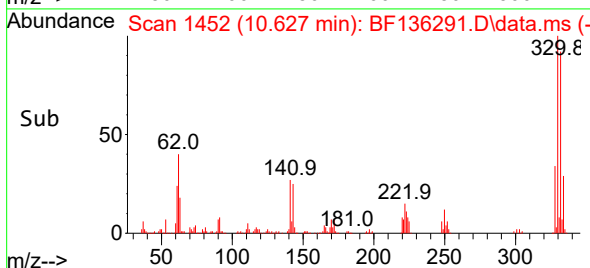
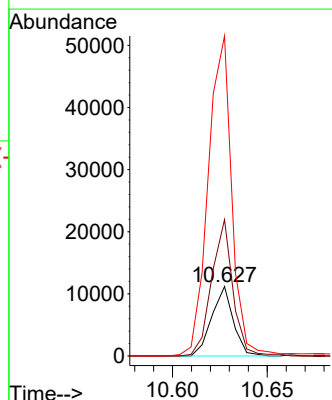
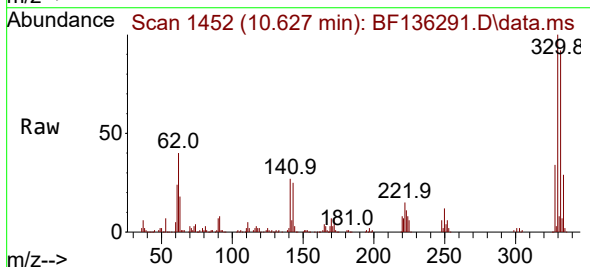
Tgt Ion:248 Resp: 8867

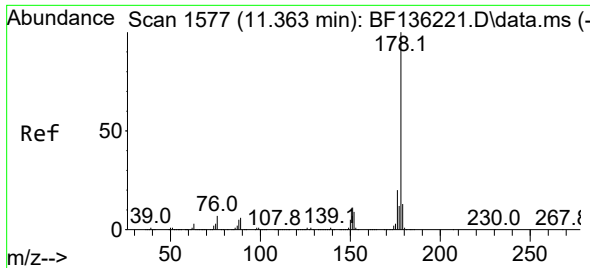
Ion Ratio Lower Upper

248 100

250 196.4 72.5 108.7#

141 460.8 60.8 91.2#

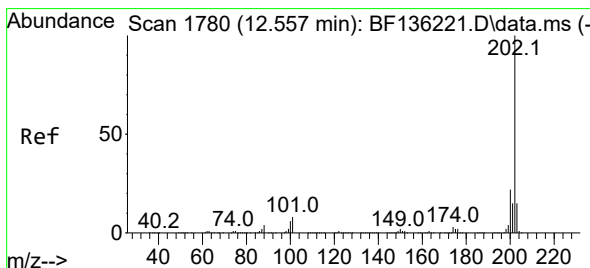
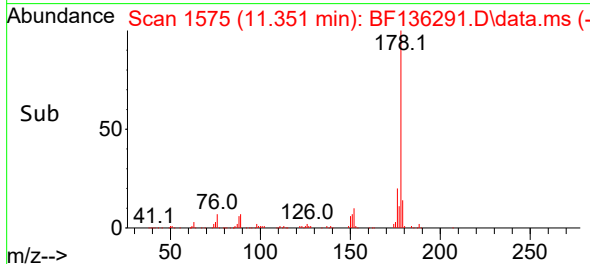
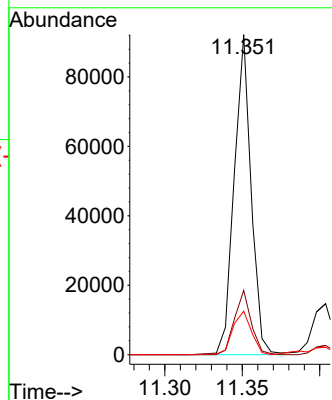
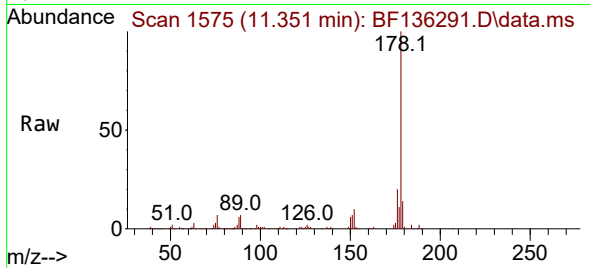




#71
Phenanthrene
Concen: 4.227 ng
RT: 11.351 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF136291.D
Acq: 29 Nov 2023 19:15

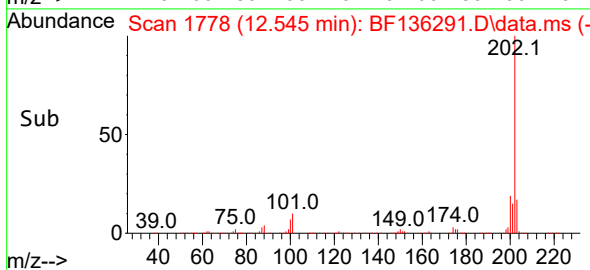
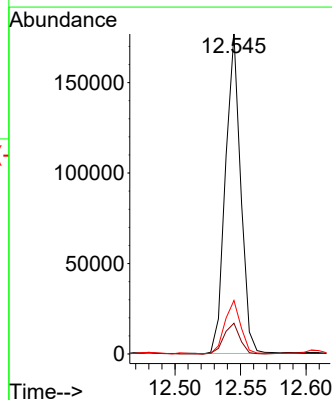
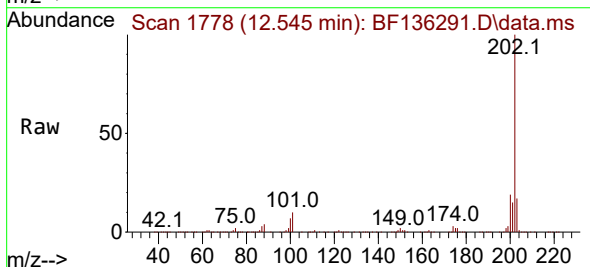
Instrument :
BNA_F
ClientSampleId :
72-11998

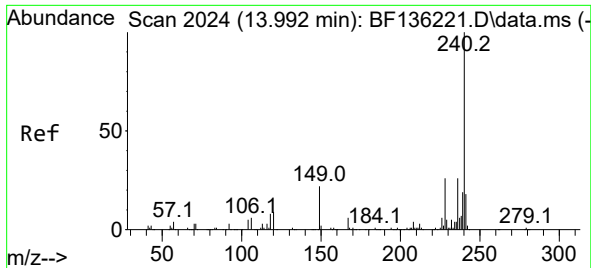
Tgt Ion:178 Resp: 69918
Ion Ratio Lower Upper
178 100
176 20.1 16.2 24.2
179 13.6 10.3 15.5



#75
Fluoranthene
Concen: 8.480 ng
RT: 12.545 min Scan# 1778
Delta R.T. -0.012 min
Lab File: BF136291.D
Acq: 29 Nov 2023 19:15

Tgt Ion:202 Resp: 142376
Ion Ratio Lower Upper
202 100
101 9.6 0.0 27.8
203 16.7 0.0 34.5

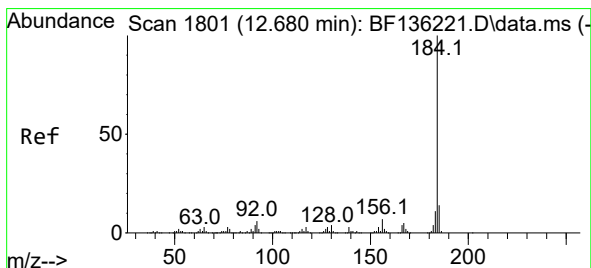
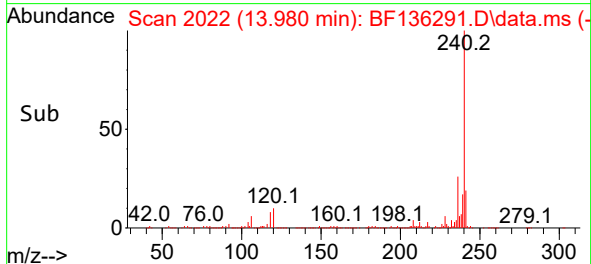
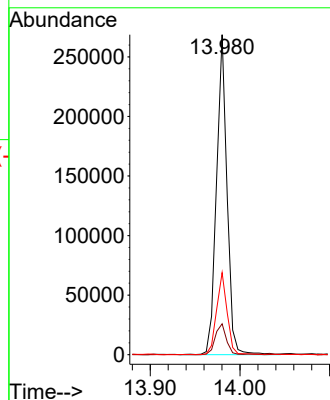
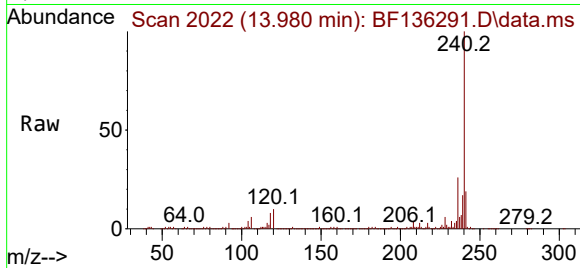




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.980 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF136291.D
Acq: 29 Nov 2023 19:15

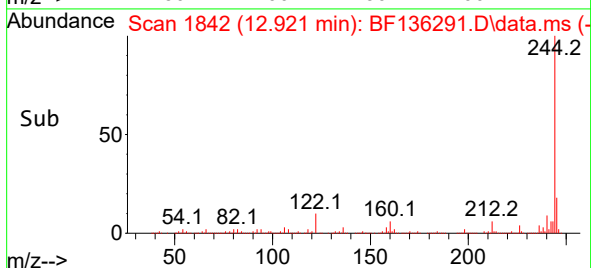
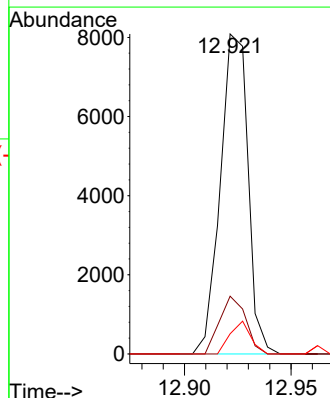
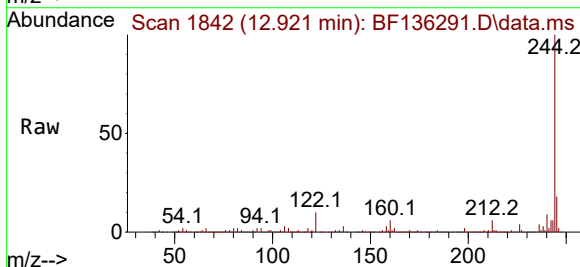
Instrument :
BNA_F
ClientSampleId :
72-11998

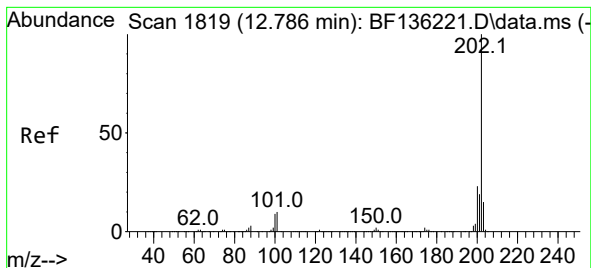
Tgt Ion:240 Resp: 219236
Ion Ratio Lower Upper
240 100
120 9.7 7.4 11.2
236 25.6 21.1 31.7



#77
Benzidine
Concen: 2.031 ng
RT: 12.921 min Scan# 1842
Delta R.T. 0.241 min
Lab File: BF136291.D
Acq: 29 Nov 2023 19:15

Tgt Ion:184 Resp: 7318
Ion Ratio Lower Upper
184 100
185 18.1 11.0 16.6#
183 6.3 9.0 13.4#





#78

Pyrene

Concen: 5.631 ng

RT: 12.774 min Scan# 1817

Delta R.T. -0.012 min

Lab File: BF136291.D

Acq: 29 Nov 2023 19:15

Instrument :

BNA_F

ClientSampleId :

72-11998

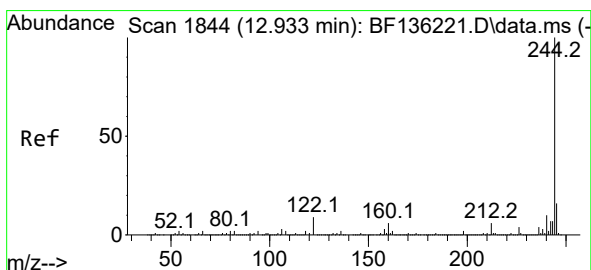
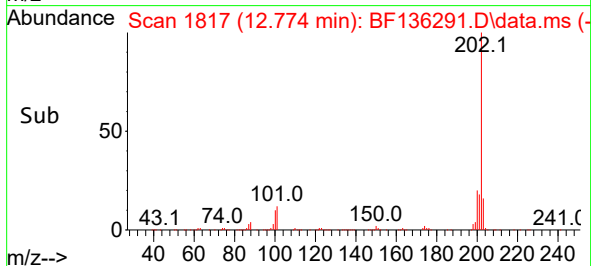
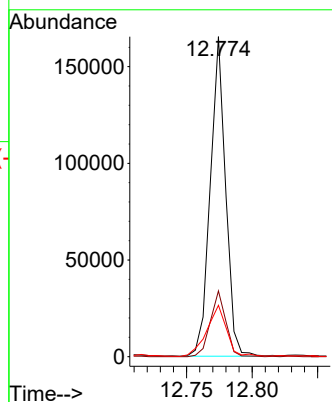
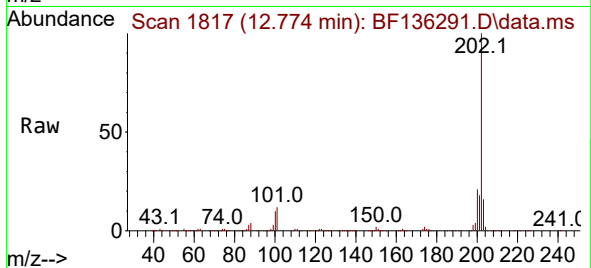
Tgt Ion:202 Resp: 135196

Ion Ratio Lower Upper

202 100

200 20.5 18.4 27.6

203 16.0 11.8 17.6



#79

Terphenyl-d14

Concen: 32.586 ng

RT: 12.921 min Scan# 1842

Delta R.T. -0.012 min

Lab File: BF136291.D

Acq: 29 Nov 2023 19:15

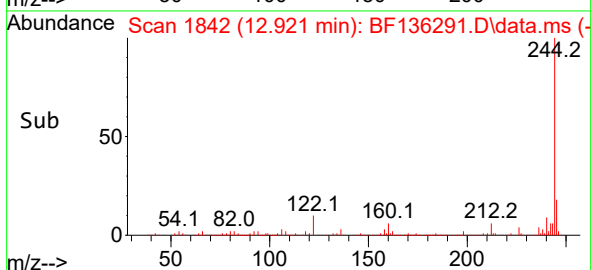
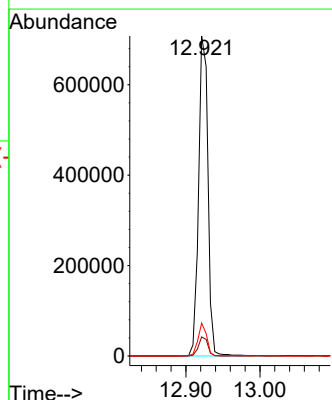
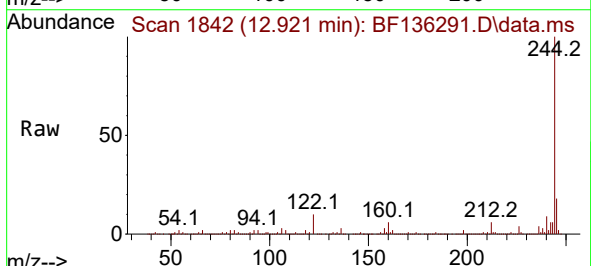
Tgt Ion:244 Resp: 619341

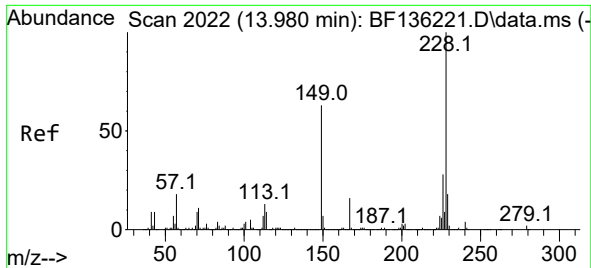
Ion Ratio Lower Upper

244 100

212 5.9 4.6 7.0

122 10.3 7.3 10.9

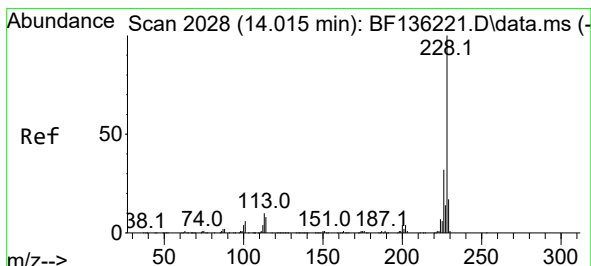
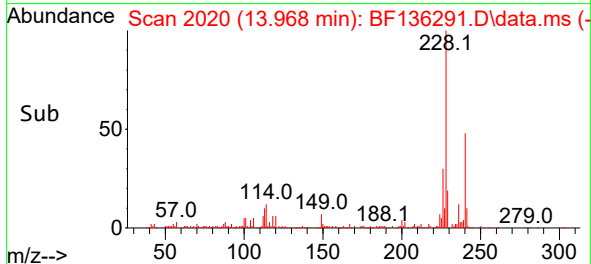
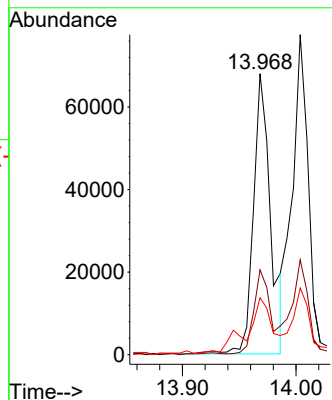
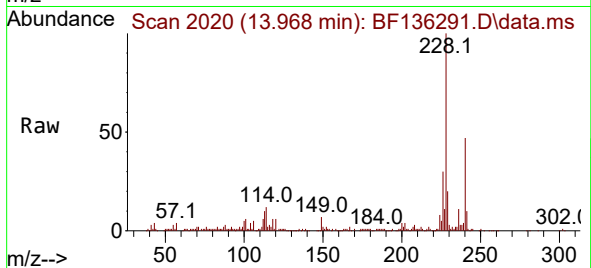




#81
Benzo(a)anthracene
Concen: 4.378 ng
RT: 13.968 min Scan# 2026
Delta R.T. -0.012 min
Lab File: BF136291.D
Acq: 29 Nov 2023 19:15

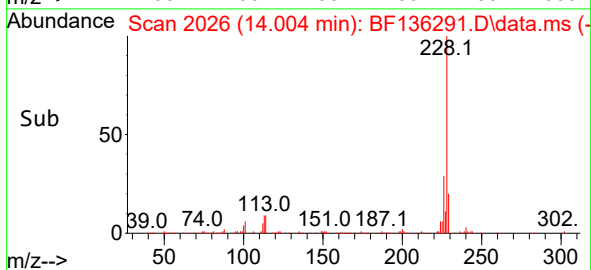
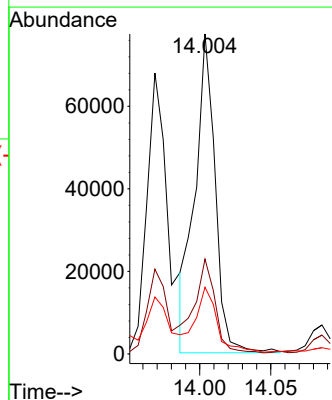
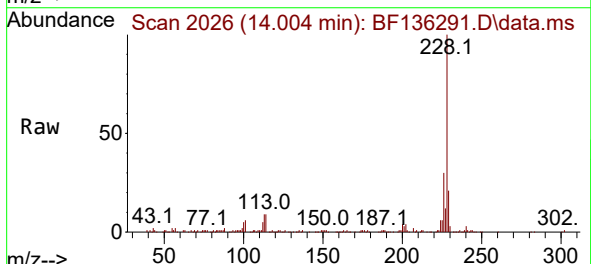
Instrument :
BNA_F
ClientSampleId :
72-11998

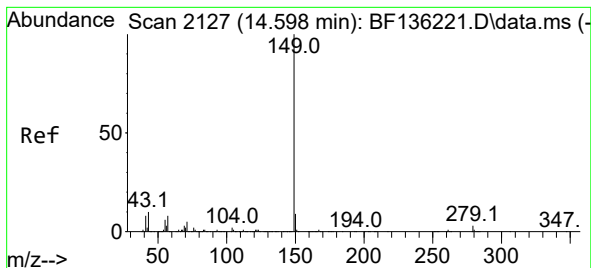
Tgt Ion:228 Resp: 71291
Ion Ratio Lower Upper
228 100
226 30.2 22.6 34.0
229 20.3 14.0 21.0



#83
Chrysene
Concen: 4.876 ng
RT: 14.004 min Scan# 2026
Delta R.T. -0.012 min
Lab File: BF136291.D
Acq: 29 Nov 2023 19:15

Tgt Ion:228 Resp: 76672
Ion Ratio Lower Upper
228 100
226 29.7 25.5 38.3
229 20.8 13.9 20.9





#85

Di-n-octyl phthalate

Concen: 6.020 ng

RT: 14.568 min Scan# 21

Delta R.T. -0.030 min

Lab File: BF136291.D

Acq: 29 Nov 2023 19:15

Instrument :

BNA_F

ClientSampleId :

72-11998

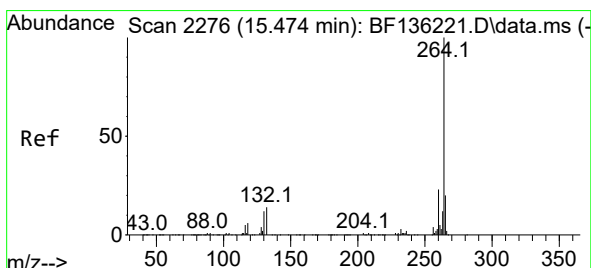
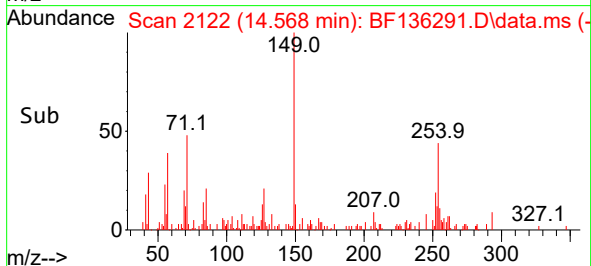
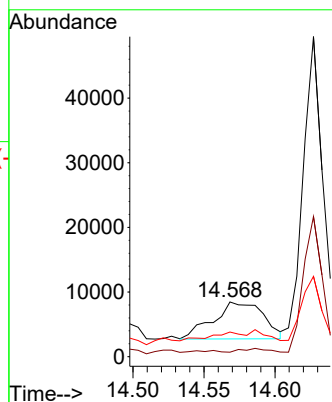
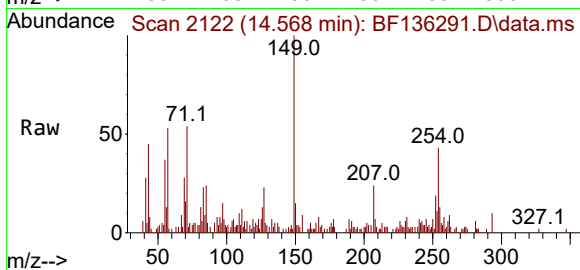
Tgt Ion:149 Resp: 13997

Ion Ratio Lower Upper

149 100

167 4.8 1.0 1.6#

43 29.1 7.2 10.8#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.462 min Scan# 2274

Delta R.T. -0.012 min

Lab File: BF136291.D

Acq: 29 Nov 2023 19:15

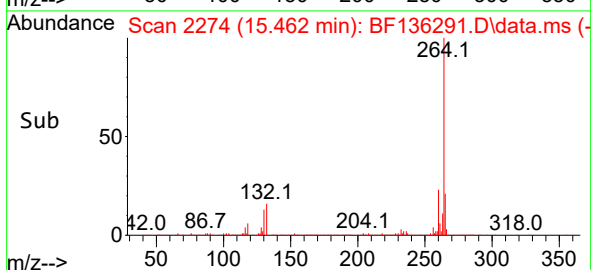
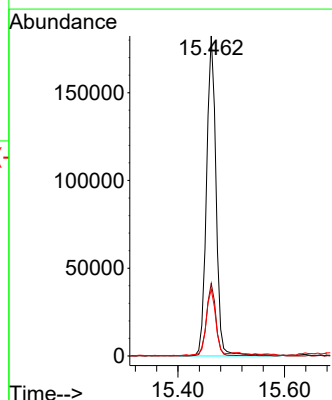
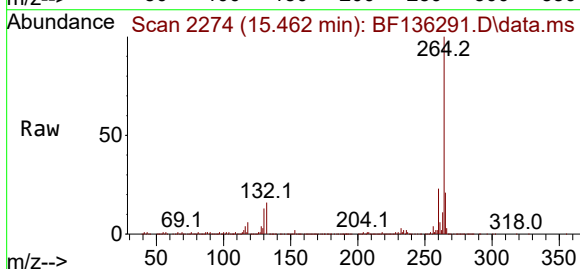
Tgt Ion:264 Resp: 226353

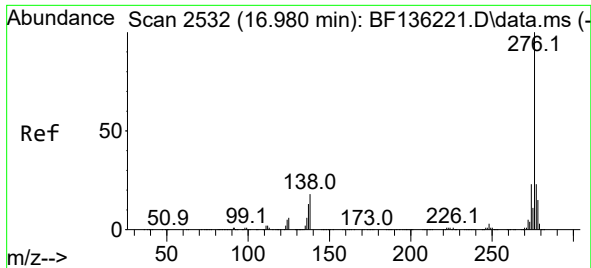
Ion Ratio Lower Upper

264 100

260 22.7 18.6 27.8

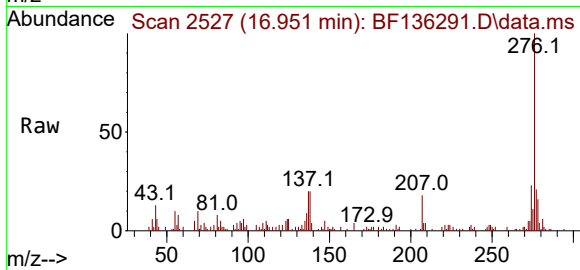
265 20.8 15.7 23.5



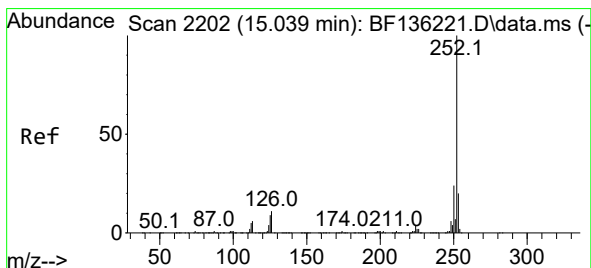
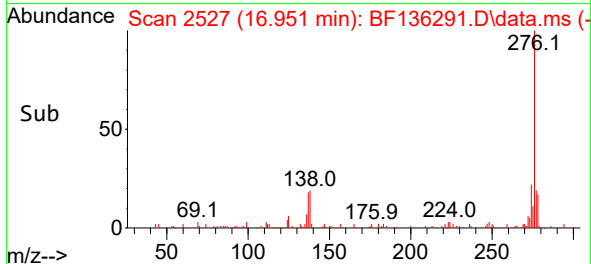
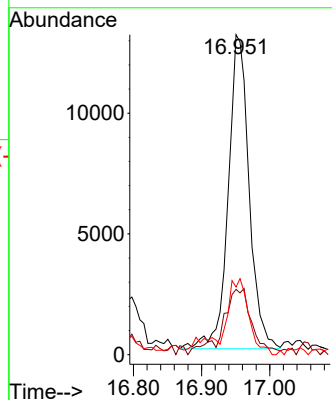


#87
 Indeno(1,2,3-cd)pyrene
 Concen: 4.231 ng
 RT: 16.951 min Scan# 21
 Delta R.T. -0.029 min
 Lab File: BF136291.D
 Acq: 29 Nov 2023 19:15

Instrument :
 BNA_F
 ClientSampleId :
 72-11998

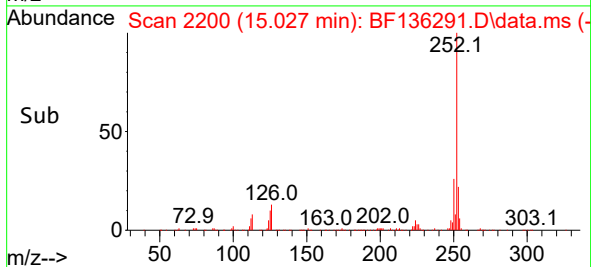
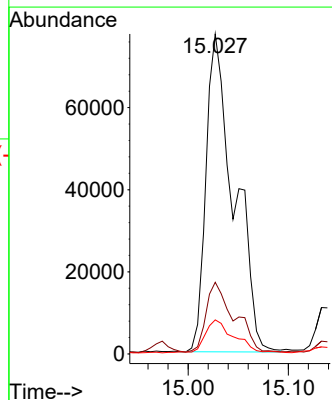
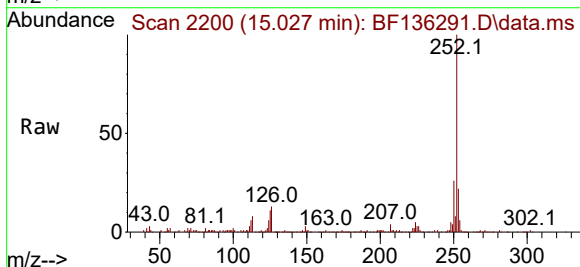


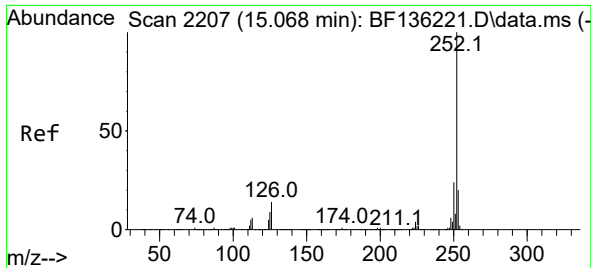
Tgt Ion:276 Resp: 27802
 Ion Ratio Lower Upper
 276 100
 138 29.3 17.7 26.5#
 277 23.6 19.6 29.4



#88
 Benzo(b)fluoranthene
 Concen: 9.524 ng
 RT: 15.027 min Scan# 2200
 Delta R.T. -0.012 min
 Lab File: BF136291.D
 Acq: 29 Nov 2023 19:15

Tgt Ion:252 Resp: 151239
 Ion Ratio Lower Upper
 252 100
 253 22.4 16.2 24.2
 125 10.6 6.9 10.3#

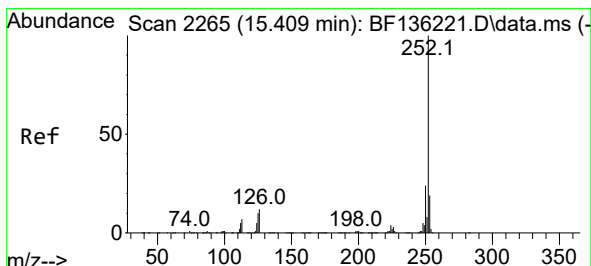
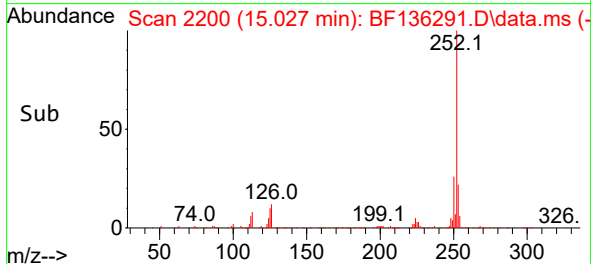
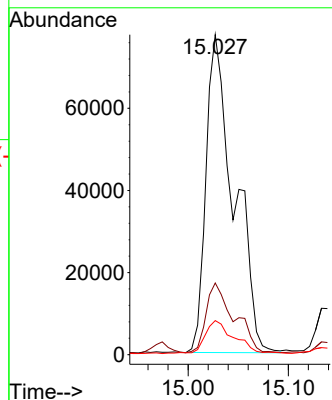
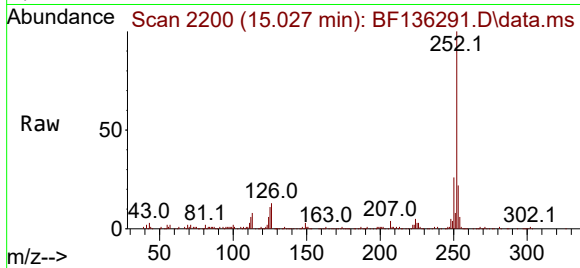




#89
Benzo(k)fluoranthene
Concen: 10.027 ng
RT: 15.027 min Scan# 21
Delta R.T. -0.041 min
Lab File: BF136291.D
Acq: 29 Nov 2023 19:15

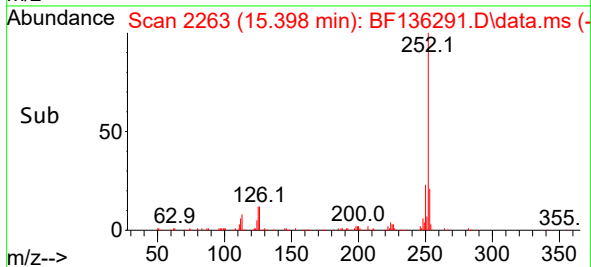
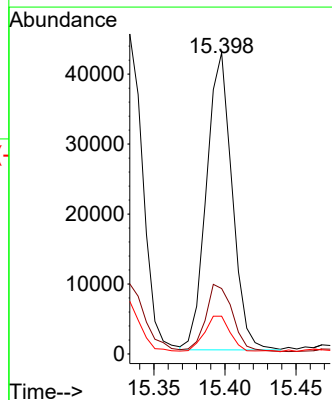
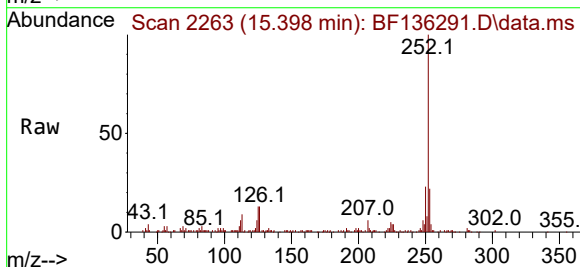
Instrument :
BNA_F
ClientSampleId :
72-11998

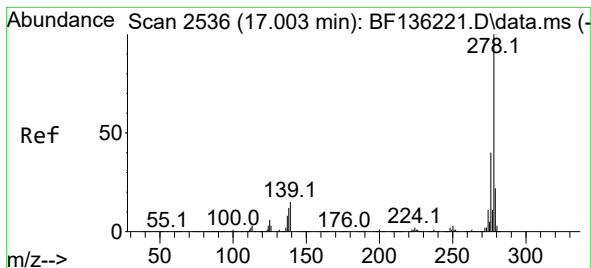
Tgt Ion:252 Resp: 151239
Ion Ratio Lower Upper
252 100
253 22.4 15.6 23.4
125 10.6 7.0 10.4#



#90
Benzo(a)pyrene
Concen: 4.109 ng
RT: 15.398 min Scan# 2263
Delta R.T. -0.011 min
Lab File: BF136291.D
Acq: 29 Nov 2023 19:15

Tgt Ion:252 Resp: 53349
Ion Ratio Lower Upper
252 100
253 21.7 15.5 23.3
125 12.5 7.9 11.9#





#91

Dibenzo(a,h)anthracene

Concen: 2.917 ng

RT: 17.051 min Scan# 21

Delta R.T. 0.048 min

Lab File: BF136291.D

Acq: 29 Nov 2023 19:15

Instrument :

BNA_F

ClientSampleId :

72-11998

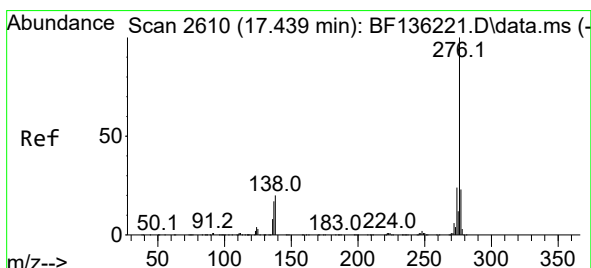
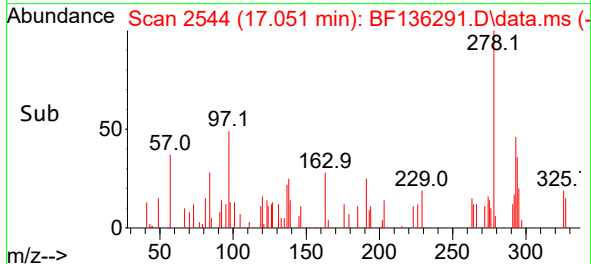
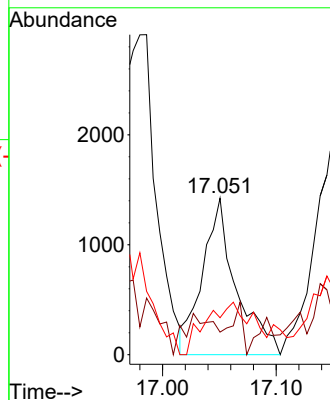
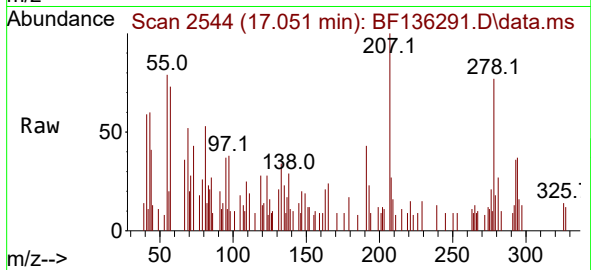
Tgt Ion:278 Resp: 2936

Ion Ratio Lower Upper

278 100

139 14.5 11.7 17.5

279 23.7 17.8 26.8



#92

Benzo(g,h,i)perylene

Concen: 3.685 ng

RT: 17.409 min Scan# 2605

Delta R.T. -0.030 min

Lab File: BF136291.D

Acq: 29 Nov 2023 19:15

Tgt Ion:276 Resp: 25317

Ion Ratio Lower Upper

276 100

277 23.7 18.6 27.8

138 18.4 15.8 23.8

